

April 14, 2003

ORGANIZATION: Nuclear Energy Institute (NEI)

SUBJECT: SUMMARY OF MEETING WITH THE NUCLEAR ENERGY INSTITUTE  
REGARDING EARLY SITE PERMIT (ESP) ISSUES

On March 26, 2003, representatives from the Nuclear Energy Institute (NEI) met with the Nuclear Regulatory Commission (NRC) staff. The meeting was requested by NEI in order to discuss issues related to ESP applications and reviews. Representatives from Dominion Generation (Dominion), Exelon Generating Company (Exelon) and Entergy Operations, Incorporated (Entergy) were in attendance.

Enclosure 1 is a list of the meeting attendees. NRC and NEI provided handouts during the meeting which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's public documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML030870183. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737 or by e-mail to [pdrc@nrc.gov](mailto:pdrc@nrc.gov).

ESP-8 (Use of a bounding approach for providing fuel cycle and transportation info required by the National Environmental Policy Act (NEPA) (Table S-3 and S-4)

The Nuclear Energy Institute Early Site Permit Task Force (NEI ESPTF) submitted a white paper (See Handouts) on Topic ESP-8 which was transmitted to the staff via e-mail on March 7, 2003. The staff had the following comments/observations: (1) The entry conditions for Table S-3 and S-4 pertain primarily to Light Water Reactors (LWRs) not non-LWRs (see applicable staff position in SECY-01-0207, "Legal and Financial Issues Related to Exelon's Pebble Bed Modular Reactor (PBMR)"); (2) The subject methodology should consider all impacts and the subject analyses need to identify all, not just significant, impacts; and (3) The subject methodology needs to address mitigation and the validity of balancing disparate impacts (e.g., more spent fuel shipments against fewer low level waste shipments). On the question of the applicability of the reactor design Advanced CANDU Reactor (ACR) 700 to Tables S-3 and S-4, the staff encouraged NEI to make the case for its applicability in writing. Mr. Russell Bell stated that the NEI Issue Resolution Letter on ESP-8 which is scheduled to be issued mid-April 2003 will address the staff comments.

ESP-12 (Severe accidents issues)

The NRC staff conveyed the following comments/observations on the NEI briefing sheet (See Handouts) on Topic ESP-12 which was transmitted via e-mail to the staff on March 4, 2003: (1) The staff review will be based on Section 7.2 of NUREG-1555; (2) The staff cautions against the use of NUREG/CR type documents since they are contractor reports which may not have been adopted for licensing purposes; (3) There are other NUREG documents and other

sources of information which may be considered, such as the cited NUREG-1150; (4) With respect to NUREG/CR-2239, the staff offers the following comments:

NUREG/CR-2239 presents very conservative source terms and frequencies, which may not be best suited to be representative of best available information on source terms and frequencies.

If NUREG/CR-2239 is pursued, it may be more appropriate to reference the data sources used in the development of NUREG/CR-2239, not the report itself.

The staff discussed a quantitative method (e.g., use of risk metrics in a plant parameter envelope approach) as one alternative to address severe accident issues under the National Environmental Protection Act (NEPA). This approach may be better suited to allow the subject issue to be resolved with the finality of an ESP.

*/RA/*

Ronaldo V. Jenkins, Senior Project Manager  
New Reactor Licensing Project Office  
Office of Nuclear Reactor Regulation

Project No. 689

Enclosures: As stated

cc w/encls: See next page

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cc w/encls: See next page

ACCESSION NUMBER: ML031000091-Pkg.\*See previous concurrence

OFFICE	PM:NRLPO	PM:NRLPO*	PM:NRLPO	DD:NRLPO
NAME	RJenkins	MScott	SKoenick	MGamberoni-JMS3 for:
DATE	04/14/03	04/14/03	04/14/03	04/14/03

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Distribution for Meeting Summary Dated April 14, 2003

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CHinson

SKlementowicz

EThrom

RMcIntyre

PPrescott

JMitchell

AMurphy

RKaras

CGrimes

AFernandez

JMoore

JLee

MKotzalas (NRR Communication Coord)

CAbbott

SWeerakkody

KGibson

EImbro

DThatcher

DBarss

BMusico

LBanic

**Meeting**  
**With the Nuclear Energy Institute**  
**March 26, 2003**

**Attendance List**

**NRC**

Joseph Sebrosky, NRR  
Ronaldo Jenkins, NRR  
Michael Scott, NRR  
Nanette Gilles, NRR  
Bob Palla, NRR  
Jerry Wilson, NRR  
Stephen Koenick, NRR  
Barry Zalzman, NRR  
Jay Lee, NRR  
Rebecca Karas, NRR  
Andrew J. Murphy, RES  
Jocelyn Mitchell, RES  
John Cook, NNMS  
Antonio Fernandez, OGC

**Nuclear Energy Institute**

Russell Bell

**Other Attendees**

\*Joe Hegner, Dominion  
\*Marvin Smith, Dominion  
\*Ken Jha, Bechtel  
\*Mike Bourgeois, Entergy  
\*George Zinke, Entergy  
\*Eddie Grant, Exelon  
\*Thomas P. Mundy, Exelon  
\*Bill Maher, Exelon  
\*Ken Moore  
\*Eva Hickey, PNNL  
\*Van Ramasdell, PNNL  
\*Guy Cesare, Enercon  
\*Mike Cambia, Parsons E & C  
\*Patricia Campbell, Winston & Strawn  
\*Bob Nitschke, INEEL  
Deana Raleigh, US Sciencetech  
Jenny Weil, McGraw-Hill

\* Attendance via Telecon

ESP-Generic

cc:

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